NT BOOK

ensions		Contents	Reference to last Measureme
Breadth 5	Depth 6	7	8
		12.20,625-00	
		24413-00	
		12206-00	
		1221-00	
		61031-00	
		2975-00	
		101846-00	
		1187779-00	

"First and final"

M. A. R. 57 (Rule 116)
Measurement Book

No. B 353947

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Name of the work :- Improvements to Roads and drains at main roads and 1st 6th cross Roads at Byrappa garden in ward NO-10 [Doddabommasandra], Vidyaranyapura Sub division.						
	Estimated Cost :- Rs 25.00 Lacks.						
	Job number & Head of Account :- 010-18-000006 & P1878 18 pet-works [Bhagya Nidhi, Sroru/Neeru yojane and General] [54 Lacks/New wards]						
	Work order NO :- BBMP/EE/STP/WO/33/2017-18. Dated:-20-12-2017.						
	Name of Agency :- Executive engineer, KRIDL, #280, 5th cross Road, 17th 'C' main road, 3rd 'B' block, Rajajinagar, Bangalore-560010.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Earth work Excavation by manual means in ordinary Soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5 mts. Excavated Surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods etc., Complete as per specifications & directions of us. As per Poemeasurment wide of MB No-35407 page No-353990 to 353991					320.28 m³	
	@ Rs. 199.36					Rs 63851=00	
	(2) Providing and laying in position plain cement concrete of mix 1:4:8 with opc cement @ 180 kgs with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, Concrete keeper not exceeding 15 cms thick, well compacted, in foundation and plinth, including Cost of all materials, labour, Hoisting machinery, curing etc., complete as per specifications and direction of us.						

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	As per poemeasurement wide of MB No-35409 Page No-353991 to 353992	
	(3) Providing and laying cement Co ready mixed Concrete (RMC) for R. Vibrating, Curing, finishing with to withstand pumping of concrete, of cost of steel, and fabrication c (1:1.5:3) for raft foundation, Cal Complete as per specifications By approved graded Main roads CC Dam-30,

ENT BOOK

Dimensions			Contents	Reference to last Measurement
th	Breadth 5	Depth 6	7	8
ne ordinary soil involving and an average lift upto 0.5ms. used, the disposed earth to be complete as per specifications &				
			320.28 m³	
199.36			Rs 6385/=00	
Cement Concrete of mix 1:4:8 with size graded granite metal Coarse @ 0.57 cum machine mixed, Concrete compacted, in foundation and plinth, ing machinery, curing etc., complete m.				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 353948

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	As per permeasurement wide & MB NO-35409 Page NO-353991 to 353992					125.10 m³	
	@ Rs 5159.02					Rs 645393=00	
(3)	Providing and laying cement Concrete using 20mm and down size granite Jelly & ready mixed Concrete (RMC) for R.C.C works laid in 5cms thick layers and well compacted, vibrating, Curing, finishing with necessary cement mortar, from works and scaffolding, to withstand pumping of concrete, with all lead and lifts etc., complete [Exclusive of cost of steel, and fabrication charges] Ready mixed Cement Concrete M20 [1:1.5:3] for raft foundation, Column footing, Beams & Secondary beams etc., complete as per specifications and direction of engineer in charge from Main road [CC Dam-3]	1	× 30	× 0.9	× 0.15	= 4.05 m³ [4.05 m³]	

Survey

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1×	30×0.9×0.15=			4.05 m³	
		1×	30.9×0.9×0.15=			4.17 m³	
	Cross road RLs}-	1×	30×0.9×0.15 =			4.05 m³	
		1×	30×0.9×0.15 =			4.05 m³	
		1×	30×0.9×0.15 =			4.05 m³	
		1×	3.5×0.9×0.15 =			0.47 m³	
	Cross Road RLs}-	1×	30×0.9×0.15 =			4.05 m³	
		1×	30×0.9×0.15 =			4.05 m³	
		1×	30×0.9×0.15 =			4.05 m³	
		1×	3.8×0.9×0.15 =			0.51 m³	
	Side walls}-	2×	30×0.15×0.55=			4.95 m³	
	Scrapping along main road. CC drain.	2×	30×0.15×0.60=			5.40 m³	

M. A. R
Meas

Serial No. ..... From...
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Cross Road RLs}-	2× 3
		2×30
		2×30
		2×30
		2×3.5
	Cross Road RLs}-	2× 3
		2× 3
		2× 3
		2× 3

NT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
0.9 × 0.15 =		4.05 m³	
0.9 × 0.15 =		4.17 m³	
0.9 × 0.15 =		4.05 m³	
0.9 × 0.15 =		4.05 m³	
0.9 × 0.15 =		4.05 m³	
× 0.9 × 0.15 =		0.47 m³	
0.9 × 0.15 =		4.05 m³	
0.9 × 0.15 =		4.05 m³	
0.9 × 0.15 =		4.05 m³	
0.9 × 0.15 =		0.51 m³	
× 0.9 × 0.15	=		
× 0.15 × 0.55 =		4.95 m³	
× 0.15 × 0.60 =		5.40 m³	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 353949

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 47.7	Reference to last Measurement 8
		2 × 3	0.9 × 0.15 × 0.55	=		6.03 m³	
	Cross Road RLs } -	2 × 30	× 0.15 × 0.55	=		4.95 m³	
		2 × 30	× 0.15 × 0.60	=		5.40 m³	
		2 × 30	× 0.15 × 0.60	=		5.40 m³	
		2 × 30	× 0.15 × 0.60	=		0.58 m³	
		2 × 3.5	× 0.15 × 0.55	=		5.40 m³	
	Cross Road RLs } -	2 × 30	× 0.15 × 0.6	=		5.40 m³	
		2 × 30	× 0.15 × 0.6	=		5.40 m³	
		2 × 30	× 0.15 × 0.6	=		0.68 m³	
		2 × 3.8	× 0.15 × 0.6	=			
			Total Quantity =			87.14 m³	

87.14

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	But as per Schedule B - Quantity limited to					= 86.94 M³	
						@ Rs. 6231.74	Rs 541787=00
	(4) providing T.M.T. Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members, Wherever necessary complete as per design, (Caps, hooks, wastages shall not be measured and paid) Cost of materials, labour, driving machinery complete as per specifications, specification NO. KBS 4.6.3: Dry Bar Fe 500 etc.. complete as per specifications and direction of M. As per measurement wide of MB NO-3540 & page NO - 353992 to 353993					5.094 Ton	
						@ Rs. 64243.42	Rs 327256=00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
(5)	providing and removing C removal of form work for re including attached Plate materials, labours etc..; Ce by roppa Sandur Main road to c.c drain Bottom

NT BOOK

ensions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		= 86.94 m³	
231.74			Rs 54787=00
c work including straightening, lapping and/or welding wherever anchoring to the adjoining members, (Cleps, hooks, wastage shall Trials, labour, thing, machinery tion, no. KBS 4.6.3. DNT Bars Fe 500 rection of m.			
		5.094 Ton	
Rs. 64243.42			Rs 327256=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

353950

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
5	providing and removing Centering, shuttering, Strutting, propping etc., and removal of form work for vertical surface Such as walls, at any thickness, including attached pilasters, buttresses, Plinth and String Course cost of all materials, labour etc., complete as per Specifications and direction of m.						
	By roppa Sanden Main road	4 ×	30 ×	0.6 =		72.00 m²	
	C/C drain Bottom	4 ×	30 ×	0.6 =		72.00 m²	
	F.L.	4 ×	30.9 ×	0.6 =		74.16 m²	
	Tar road RL 5.90	4 ×	30 ×	0.6 =		72.00 m²	
		4 ×	30 ×	0.6 =		72.00 m²	
						362.16	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		4 ×	30 ×	0.6 =	72.00	m²	
		4 ×	3.5 ×	0.6 =	8.40	m²	
	(Contd Ud 45) -	4 ×	30 ×	0.6 =	72.00	m²	
		4 ×	30 ×	0.6 =	72.00	m²	
	C&F:- @ 9/-	4 ×	30 ×	0.6 =	72.00	m²	
		4 ×	3.8 ×	0.6 =	9.12	m²	
	Bypass Near Muneshwara Layout near storm water drain.	2 ×	30 ×	0.3 =	18.00	m²	
		2 ×	30.3 ×	0.3 =	18.18	m²	
		2 ×	30 ×	0.3 =	18.00	m²	
		2 ×	30 ×	0.3 =	18.00	m²	
					362.16		
					739.86.		

M. A. R.
Measu

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number	L
1	2	3	
	C&F Mehkon	2 ×	8
	(6) Cement Concrete pavement Cem pavement, thickness as per design, @ any other type as per Clause 1 down size graded granite metal Cem superplasticizer @ 3 lts Conforming to		

NT BOOK

mensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
		362.16		
		0.6 = 72.00 m²		
		0.6 = 8.40 m²		
		0.6 = 72.00 m²		
		0.6 = 72.00 m²		
		0.6 = 72.00 m²		
		0.6 = 9.12 m²		
		0.3 = 18.00 m²		
		0.3 = 18.18 m²		
		0.3 = 18.00 m²		
		0.3 = 18.00 m²		
			739.86.	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 353951

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
						739.86.	
	CAFC Mehsana	2 ×	8.00 ×	0.30	= 4.80 m²		
				Net Safety	= 744.66 m²		
				Safety limited to	= 736.80 m²		
				@ Rs 310.58			Rs 228835 = 00
	(6) Cement Concrete pavement Construction of un-reinforced Plain Cement Concrete Pavement, thickness as per design, over a prepared sub-base with opc cement @ any other type as per Clause 1051.22 design mix M20/M30, with 25mm & down size graded granite metal coarse aggregates & fine aggregates, with Superplasticizers @ 3lts Confirming to IS 9103-1999 Reaffirmed-2008, mixed in m						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Concrete mixed of not less than 0.6cum capacity & appropriate weigh batcher as per approved mix design, laid in approved steel side boom work. Steel channel, laying & fixing of 125 micron thick polythene film, welding steel plates including levelling the boom work as per drawing] Spreading the concrete with shovels, rakers compacted using needle, Screed and plate vibrators and finished in a continuous operation including provision of Contraction, Expansion, construction and longitudinal joints including groove cutting, Chasem, joint filler, Separation membrane, Sealant primer, joint Sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing, complete as per specifications — M20 Cat 300 kg per Cum Coarse aggregate @ 0.64cum and fine aggregate @ 0.43cum.) etc.,						
	measurements taken at Neal Storm water drain	1	30 × (4.5+4.3)/2	× 0.125 =		16.50m³	
		1	30.3 × (4.3+4.4)/2	× 0.125 =		16.48m³	
							32.98

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	

OOK

dth	Depth 6	Contents 7	Reference to last Measuremen 8
			eels & appropriate weigh, moval fixed side formwork. polythene film, wedges, ver drawing] spreading the edge, screed and plate m including provision & d joints including sink brane, sealant primer, ty compound, finishing specifications - M20 and fine aggregates @
			4.3) x 0.125 = 16.50 m³
			4.4) x 0.125 = 16.48 m³
			32.98

M. A. R. 57 (Rule 116)
Measurement Book

No. B 353952

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	30	$\frac{4.4+4.3}{2}$	0.125	= 16.31 m³	
		1	30	$\frac{4.3+4.3}{2}$	0.125	= 16.13 m³	
		1	8	$\frac{4.3+4.5}{2}$	0.125	= 4.40 m³	
						Net Quantity = 69.81 m³	
						Quantity limited to = 69.75 m³	
						@ Rs 5508.82	Rs 384240 = ω

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(7) Vacuum de-watering with Vacuum pump and Suction mat and Compaction with Skin floater dubbed with floating disc including Cost of Generator, Hiring of machinery, Screed vibrator, Power floater, Blade and disc etc., Complete as per Specification and direction of Engr.						
	Northern Depot Main Storm water drain	1 ×	30 ×	(4.5+4.3)/2	=	132.00 m²	
		1 ×	30.3 ×	(4.3+4.4)/2	=	131.81 m²	
		1 ×	30 ×	(4.4+4.3)/2	=	130.50 m²	
		1 ×	30 ×	(4.3+4.3)/2	=	129.00 m²	
		1 ×	8 ×	(4.3+4.5)/2	=	35.20 m²	

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Serial No. .....
Name of Work ..... From..
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Total Quantity	
	Labour Cess (1%)	
	10/04/20	

OOK

Depth 6	Contents 7	Reference to last Measurement 8
mp and Sactionmat d with Waterproofing Pump, Screed Vicostop, mplete as per Specification		
1.3) =	132.00 m²	
4.4) =	131.81 m²	
4.3) =	130.50 m²	
4.3) =	129.00 m²	
4.5) =	35.20 m²	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

353953

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Total Quantity				=	558.51 m²	
	Out Quantity As per Schedule - Limited to					545.60 m²	
	@ Rs. 95.40					Rs 52050=00	
	Sub Total					Rs 22,43,412=00	
	Charsum 10%					Rs 224341.2=00	
	Labour Cess 1%					Rs 22434=00	
	TOTAL					Rs 24,90,187=00	

10/04/2018

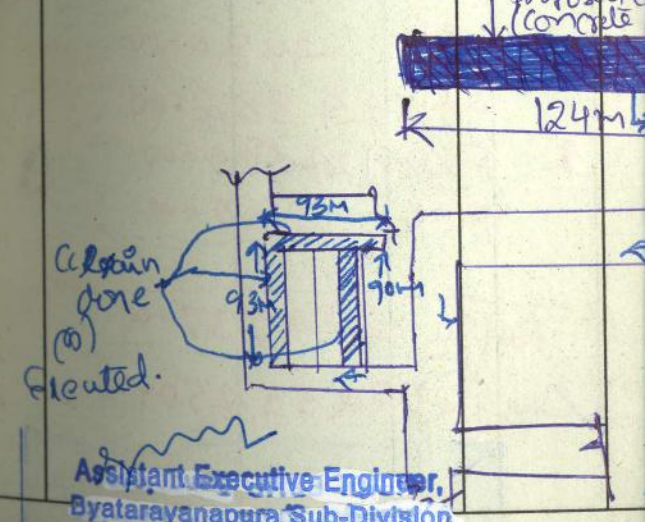
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Amt I - Bill					Rs 24,90,187=00	
	(1) Certified that the above work done satisfactorily and no materials issued from department stock.						
	(2) Where are no deductions existing on this account.						
	(3) Accepted All Measurements - with true final set measurement						
	10/04/2018.						

M. A. R. 5
Measure

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number	Le
1	2	3	



Assistant Executive Engineer,
Byatarayanapura Sub-Division
KRIDL BBMP, Bangalore

BOOK

Depth 6	Contents 7	Reference to last Measurement 8
	Rs 24,90,187=00	
	satisfactorily carried out	
	this work.	
	Final bill may be	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

353954

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Proposed Concreted Concrete Road Work						
	124m (Erected (C Road)						
	93m						
	Proposed Road.						
	Drain work (RD) Executed.						
	Dodda bommasandra Main Road						
	Reliance fresh.						

Assistant Executive Engineer,
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore -

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions					Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6		8
	24,90,187-00 2,34,737-00 22,55,450-00 Rs: Twenty two Lakh fifty five thousand four hundred fifty only.					Total Rs: 24,90,187-00 IT- 49804-00 Cess- 24902-00 CBF- 2490-00 LR- 29882-00 FSD- 124509-00 Fine- 3150-00 Adju- 234737-00 Cheque: 2255450-00	

Serial No. .....

Name of Work ..... From

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3